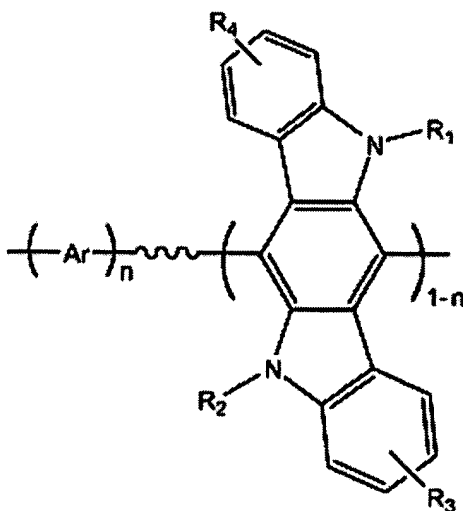


### AMENDMENTS TO THE CLAIMS

Following is a listing of all claims in the present application, which listing supersedes all previously presented claims:

#### Listing of Claims:

1. (Currently Amended) A polymer represented by formula 1:



<Formula 1>,

wherein:

Ar is selected from the group consisting of a substituted or unsubstituted C<sub>6-30</sub> aryl group and a substituted or unsubstituted C<sub>2-30</sub> heteroaryl group;

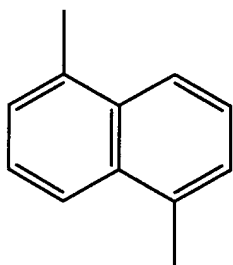
R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> are independently a hydrogen atom, a substituted or unsubstituted C<sub>1-30</sub> alkyl group, a substituted or unsubstituted C<sub>1-30</sub> alkoxy group, a substituted or unsubstituted C<sub>6-30</sub> aryl group, a substituted or unsubstituted C<sub>6-30</sub> arylalkyl group, a substituted or unsubstituted C<sub>6-30</sub> aryloxy group, a substituted or unsubstituted C<sub>2-30</sub> heteroaryl group, a substituted or unsubstituted C<sub>2-30</sub> heteroarylalkyl group, a substituted or unsubstituted C<sub>2-30</sub> heteroaryloxy group, a substituted or unsubstituted C<sub>5-20</sub> cycloalkyl group, and a

substituted or unsubstituted C<sub>5-30</sub> heterocycloalkyl group; [[and]]

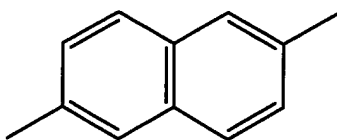
n is a real number between 0.01 and 0.99; and

the polymer has a weight average molecular weight within the range of from about 10,000 to about 200,000 and a molecular weight distribution of 1.5 to 5.

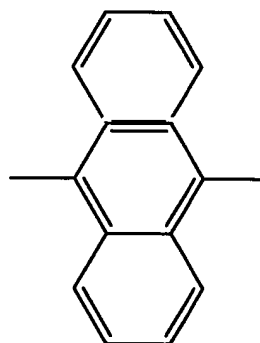
2. (Currently Amended) The polymer of claim 1, wherein in formula 1, the arylene (Ar) unit ~~in the main chain of the polymer~~ is a group represented by one or more formula selected from the group consisting of:



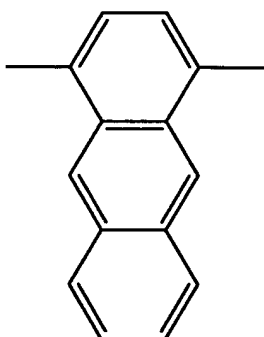
(1a)



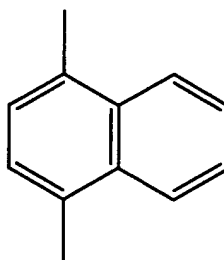
(1b)



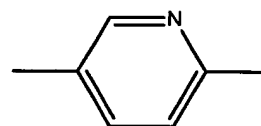
(1c)



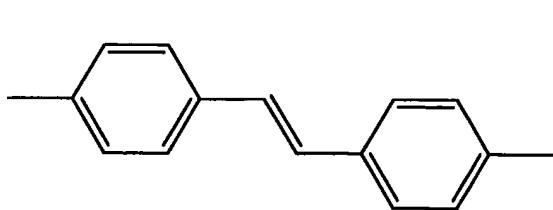
(1d)



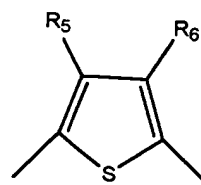
(1e)



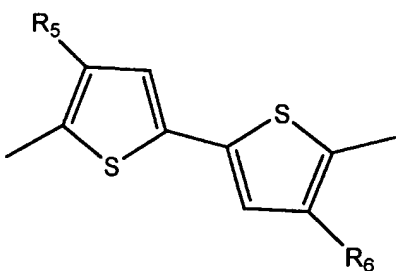
(1f)



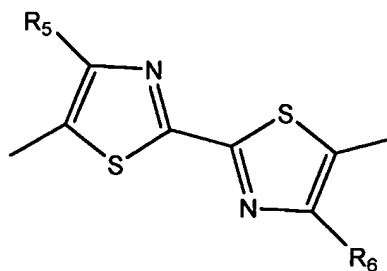
(1g)



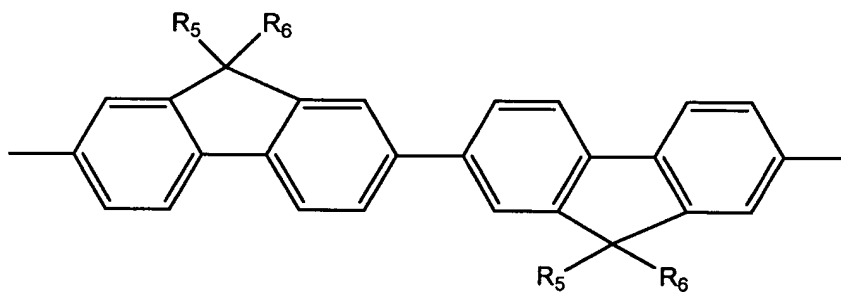
(1h)



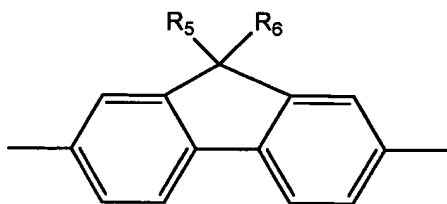
(1i)



(1j)



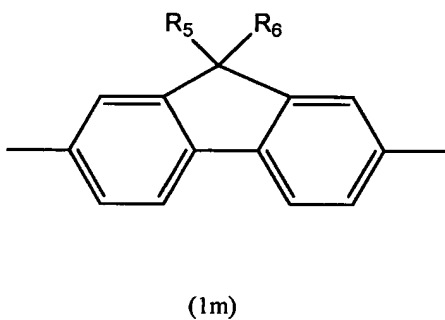
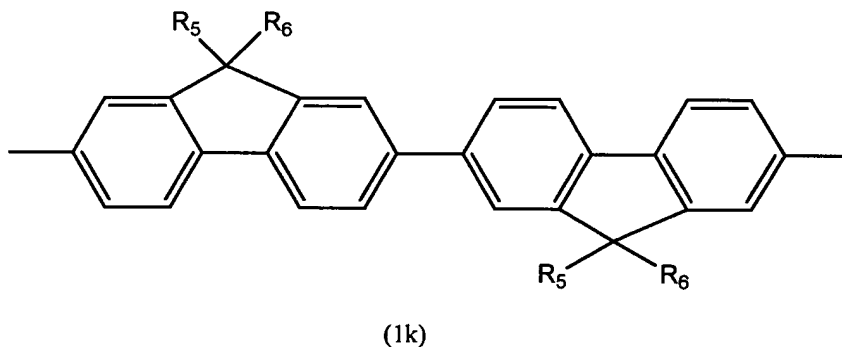
(1k)



(1m)

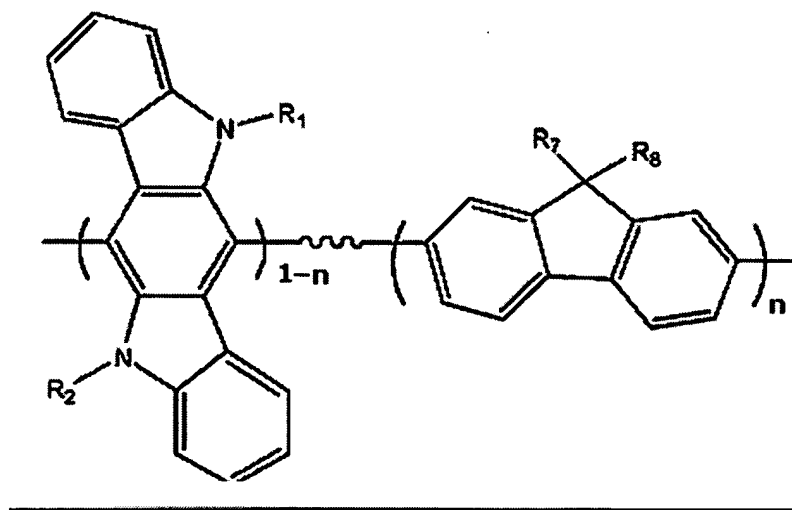
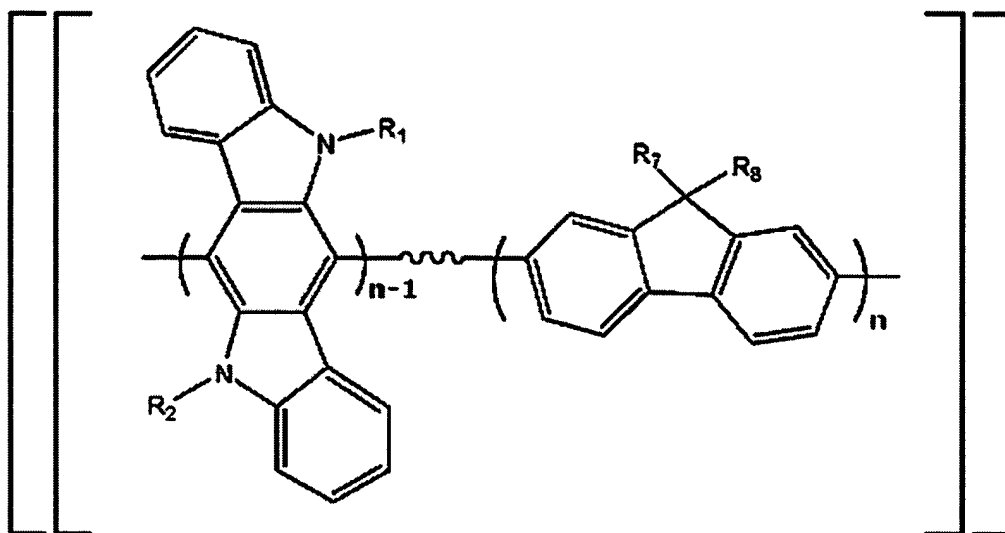
wherein  $R_5$  and  $R_6$  are independently selected from the group consisting of a hydrogen atom, a substituted or unsubstituted  $C_{1-12}$  alkyl group, a substituted or unsubstituted  $C_{1-12}$  alkoxy group and a substituted or unsubstituted amino group.

3. (Currently Amended) The polymer of claim 1, wherein the arylene (Ar) unit in ~~the main chain of the polymer~~ has an alkyl fluorene structure as represented by formula 1k or 1m,



4. (Canceled).

5. (Currently Amended) The polymer of claim 1, wherein the polymer is a compound represented by formula 2:



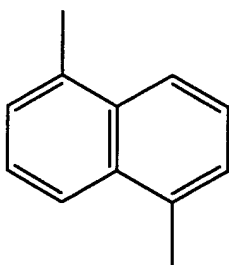
<Formula 2>

wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>7</sub> and R<sub>8</sub> are independently a C<sub>1-12</sub> alkyl group, and n is a real number between 0.01 and 0.99.

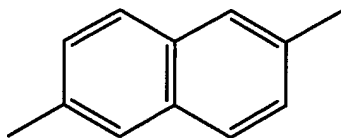
6. (Original) An organic EL device comprising an organic layer positioned between a pair of electrodes, the organic layer comprising the polymer of claim 1.

7. (Original) The organic EL device of claim 6, wherein the organic layer is an emissive layer or a hole transport layer.

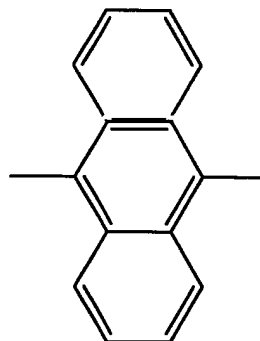
8. (Currently Amended) The organic EL device of claim 6, wherein in formula 1, the arylene (Ar) unit ~~in the main chain of the polymer~~ is a group represented by one or more formula selected from the group consisting of:



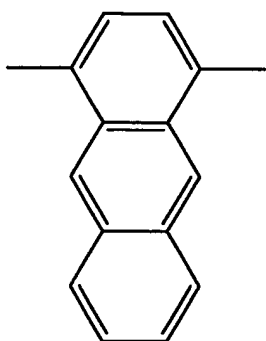
(1a)



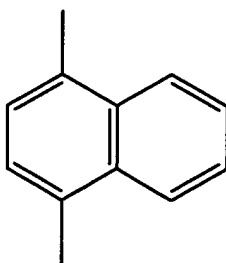
(1b)



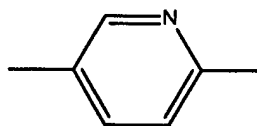
(1c)



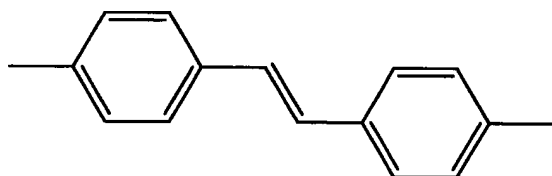
(1d)



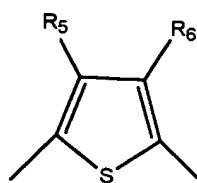
(1e)



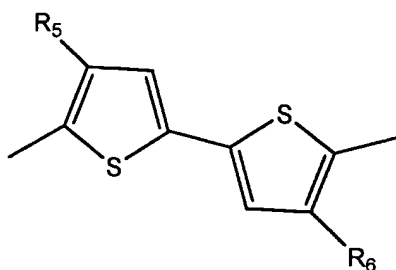
(1f)



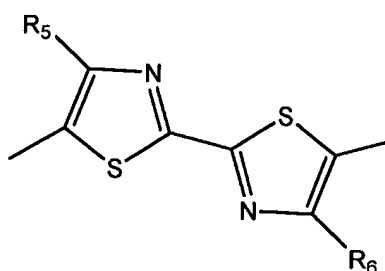
(1g)



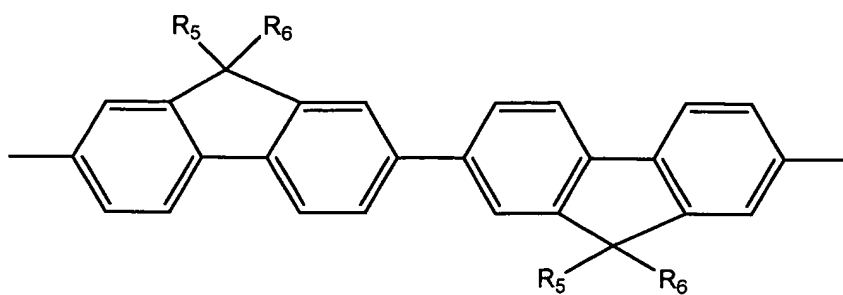
(1h)



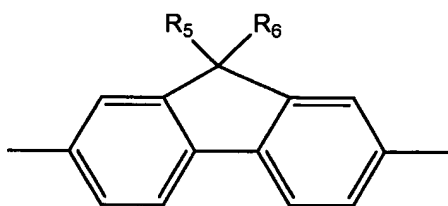
(1i)



(1j)



(1k)

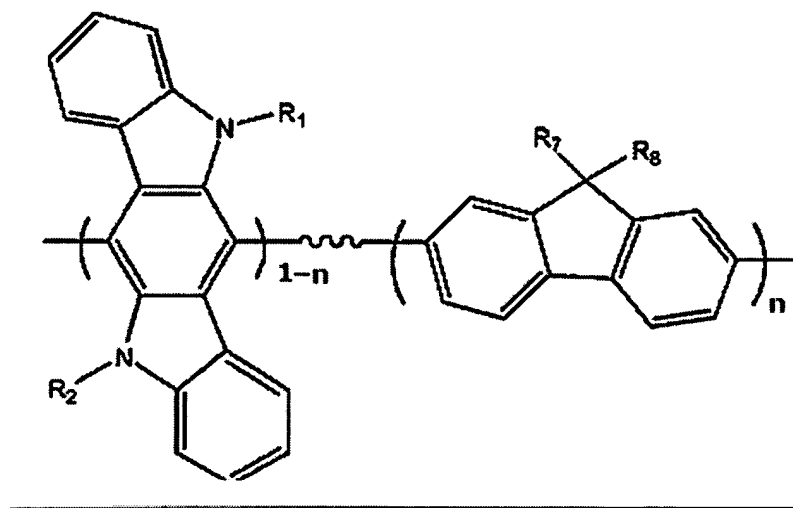
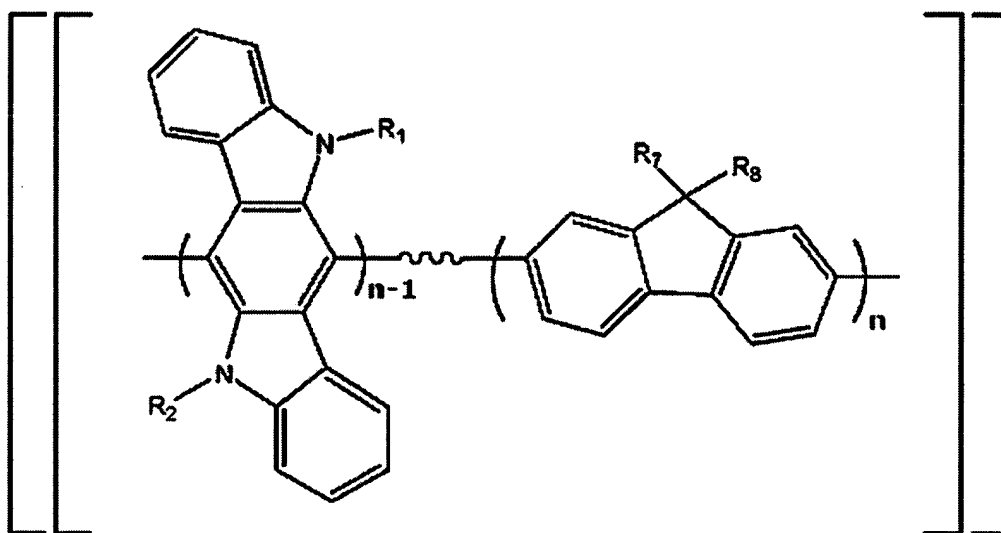


(1m)

wherein R<sub>5</sub> and R<sub>6</sub> are independently selected from the group consisting of a hydrogen atom, a substituted or unsubstituted C<sub>1-12</sub> alkyl group, a substituted or unsubstituted C<sub>1-12</sub> alkoxy group and a substituted or unsubstituted amino group.



9. (Currently Amended) The organic EL device of claim 6, wherein the polymer is a compound represented by formula 2:



<Formula 2>,

wherein  $R_1$ ,  $R_2$ ,  $R_7$  and  $R_8$  are independently a  $C_{1-12}$  alkyl group, and  $n$  is a real number between 0.01 and 0.99.